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JOURNAL
OF THE
AMERICAN GEOGRAPHICAL SOCIETY
OF
NEW YORK

M D C C C L X X X I I



VOL. XV

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 WYSE, Lieut.-Comm. Lucien N. B.,
 Paris.
 YOUNG, Jess., F.R.G.S., Wisbeach,
 England.
-

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1859 Arnoux, William H.	1874 Allen, Henry Wilder.
1859 Arnold, David H. (L. F.)	1874 Amy, Henry.
1859 Aymar, William. (L. F.)	1874 Agnew, Alexander McL.
1860 Acton, Thomas C.	1874 Astor, W. W. (L. F.)
1869 Auchmuty, Richard Tylden.	1874 Appleton, D. S.
1871 Atterbury, Rev. Wm. W., D.D.	1874 Anderson, Henry H.
1872 Allen, Horatio M.	1875 Amsinck, Gustav.
1873 Albert, Halpern.	1876 Appleton, Nathan.
1874 Alexander, Junius B.	1878 Austin, Chas. P.
1874 Arthur, Gen. Chester A.	1879 Austin, William.
1874 Aufermann, August.	1879 Agostini, Joseph.
1874 Auchincloss, Henry B.	1879 Agnew, Cornelius R., M.D.
1874 Acker, David D.	1879 Ashley, Lucien S.
1874 Avery, Samuel P.	1879 Astor, John Jacob. (L. F.)
1874 Agnew, John T. (L. F.)	1880 Anthony, James L.
1874 Arnold, Richard.	1881 Andrews, John R.

- 1881 Abbott, Leon.
 1881 Allen, Eben S.
 1881 Armour, Herman O. (L. F.)
 1881 Andrews, Henry C.
 1882 Adams, Hugh W.
 1883 Ames, Adelbert.
 1883 Abbot, Abiel.
 1883 Aub, Albert.
 1883 Allen, Harry.
 1883 Atterbury, J. T.
 1883 Adams, Coe.
 1883 Aikman, Walter M.
 1883 Adams, William.
 1852 Bancroft, George. (L. F.)
 1852 Barney, Hiram. (L. F.)
 1853 Brown, James M.
 1853 Butler, Charles.
 1856 Baker, Francis. (L. F.)
 1856 Brevoort, J. Carson.
 1859 Brown, James. (L. F.)
 1859 Boorman, J. Marcus. (L. F.)
 1859 Bernheimer, Isaac.
 1859 Belmont, August. (L. F.)
 1859 Barlow, S. L. M.
 1861 Butterfield, Gen. Daniel.
 1865 Banvard, John. (L. F.)
 1868 Banks, David.
 1868 Beckwith, N. M.
 1868 Bennett, James Gordon.
 1868 Bernheimer, Adolph.
 1868 Bernheimer, Simon.
 1868 Brady, John R.
 1869 Bailey, Jas. Mühlenberg. (L. F.)
 1869 Banyer, Goldsboro.
 1869 Bickmore, Prof. A. S.
 1869 Bierstadt, Albert.
 1870 Butler, Cyrus.
 1870 Botta, Prof. Vincenzo.
 1870 Body, John E.
 1870 Bishop, T. Alston. (L. F.)
 1872 Brown, Walston H.
 1873 Bailey, N. P.
 1874 Bishop, D. W. (L. F.)
 1874 Bien, Julius.
 1874 Bartlett, Willard.
 1874 Bissinger, Philip.
 1874 Backus, Henry C.
 1874 Ballin, Eugene S.
 1874 Baldwin, Townsend B.
 1874 Bates, Levi M.
 1874 Barnes, John S.
 1874 Barbour, Thomas. (L. F.)
 1874 Bonner, Robert.
 1874 Bonn, William B.
 1874 Barnard, Horace.
 1874 Barnard, F. A. P., LL.D.
 1874 Benjamin, John.
 1874 Butler, William Allen.
 1874 Bartow, Morey H.
 1874 Barr, William.
 1874 Belding, Milo M.
 1874 Buckley, Rev. Jas. M.
 1874 Bookstaver, Henry W.
 1874 Brownson, Lieut. W. H., U.S.N.
 1875 Barney, Charles T.
 1875 Beaman, Charles C., Jr.
 1875 Bernheimer, J. A.
 1875 Beckwith, Leonard F.
 1875 Benjamin, E. B.
 1875 Beekman, Gerard.
 1875 Babcock, Gen. O. E., U.S. Army.
 1875 Brownell, Silas B.
 1875 Brown, Vernon H.
 1875 Barnes, William.
 1875 Beste, Henry.
 1875 Bredt, Ernest.
 1875 Bedle, Joseph D.
 1875 Belknap, Capt. Geo. E., U.S.N.
 1875 Bowie, Augustus J., Jr.
 1876 Baldwin, Commodore Charles H., U.S.N.
 1876 Brower, John.
 1876 Billings, Frederick.
 1876 Bellew, F. H. T.
 1877 Booth, George.
 1877 Bixby, Robert F.
 1877 Börs, Christian.
 1877 Briggs, Prof. Charles A.
 1877 Blanchard, George R.

- 1877 Blatchford, Eliphalet W.
1878 Bliss, Cornelius N.
1878 Brown, G. Melville.
1878 Barton, Oliver Grant. (L. F.)
1878 Brown, Rev. Philip A. H.
1878 Brand, James.
1878 Brown, J. Romaine.
1879 Brady, James T.
1879 Barattoni, C. A.
1879 Bowen, Gen. Edmund S.
1880 Bayard, Edward, M.D.
1880 Beach, Miles.
1880 Bamberger, A. E.
1880 Banks, D. S.
1881 Baldwin, Edwin.
1881 Babcock, Courtland G.
1881 Bartlett, Commander John R.,
 U.S.N.
1881 Barber, Charles G.
1881 Brown, Augustus L.
1881 Baldwin, Christopher C.
1881 Babcock, Samuel D.
1881 Ballin, Frederick E.
1881 Backus, Henry Landon.
1882 Bamberger, Jacob F.
1882 Belton, Frank S.
1882 Brown, George H.
1882 Baldwin, Octavius D.
1882 Ballin, Gustave N.
1882 Bacon, Francis M.
1882 Babcock, George N.
1882 Barger, Samuel F.
1882 Barney, Newcomb C.
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1882 Barclay, J. Searle.
1882 Byers, John.
1883 Brown, Francis C.
1883 Brewster, Benj. (L. F.)
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1883 Bound, Walter.
1883 Baker, Cyrus O.
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1883 Bowles, George.
1852 Colton, Joseph H. (L. F.)
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1856 Cooper, Edward.
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1868 Catlin, N. W. Stuyvesant. (L. F.)
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1869 Cullum, Gen. George W., U.S.
 Army. (L. F.)
1870 Conklin, William A.
1872 Corse, Israel.
1872 Conklin, Eugene E.
1872 Crawford, Gen. S. W., U.S.
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1874 Christern, F. W.
1874 Cockcroft, Jacob H. V.
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 1874 Crocker, Wm. Baylies.
 1874 Chickering, George H.
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 1874 Catlin, Julius, Jr.
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 1874 Curren, Robert.
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| 1880 Deen, William M. | 1882 Earle, Joseph P. |

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 1856 Field, B. H. (L. F.)
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 1868 Frohwein, Theobald.
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 1874 Foshay, James W.
 1874 Fabbri, Egisto P.
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 1874 Fougera, Edmund C.
 1874 Fox, Austen G.
 1875 Foulke, Thomas.
 1875 Faile, Charles V.
 1875 Fargo, James C.
 1875 Fuller, Charles D.
 1875 Ford, James B.
 1875 Foote, Emerson.
 1875 Folsom, George W.
 1876 Fisk, Gen. Clinton B.
 1877 Fiske, Andrew.
 1877 Flagg, William J.
 1878 Ferris, L. Murray, Jr.
 1879 Fellows, John R.
 1879 Ferris, Robert M.
 1880 French, Stephen B.
 1880 Fairchild, George M., Jr.
 1881 Fleitmann, Ewald.
 1881 Fairbanks, Joseph H.
 1881 Farrington, E. A.
 1881 Fearing, Charles F.
 1881 Foote, Frederick W.
 1881 Fearing, William H.
 1882 Fairbanks, Leland.
 1882 Fellows, Charles H.
 1882 Falls, Thomas J.
 1883 Fish, James D.
 1883 Fisher, Eustace W.
 1856 Greenwood, Isaac J.
 1857 Greene, John W., M.D. (L. F.)
 1859 Griswold, George. (L. F.)
 1868 Gebhard, Wm. H. (L. F.)
 1868 Gerry, Elbridge T. (L. F.)
 1868 Green, Andrew H.
 1868 Greene, Gen. G. S.
 1869 Gilbert, Clinton.
 1872 Gerard, James W.
 1872 Grinnel, R. M. (L. F.)
 1873 Gillmore, Gen. Q. A., U.S.A.
 1873 Gedney, Frederick G.
 1873 Glaubensklee, Theo. G.
 1874 Gardner, Hugh.
 1874 Green, John. (L. F.)
 1874 Gunther, William Henry.
 1874 Gunther, F. F.
 1874 Gibert, Fred. E.
 1874 Gibbs, Theodore K.
 1874 Gottsberger, William S.
 1874 Galpen, Horace.
 1875 Greene, Lieut. F. V., U.S.A.
 1875 Gordon, Robert.
 1875 Greene, G. S., Jr., C.E.
 1875 Garrison, Cornelius K.
 1875 Gibson, James.
 1875 Goepf, Charles.
 1876 Gautier, Dudley G.
 1877 Gaylord, Augustus.
 1877 Guleke, H. F., M.D.
 1878 Gillies, James W.
 1879 Graves, Arthur B.
 1879 Gay, Joseph E.
 1880 Graeff, Albert I.
 1880 Gorringe, Lt. Comdr. Henry H.,
 U.S.N.

- 1880 Gunning, William J.
1881 Gallaway, R. M.
1881 Gomez, A.
1881 Green, George. (L. F.)
1881 Giles, John C.
1881 Grace, William R. (L.F.)
1881 Garland, James A.
1881 Gallatin, James.
1882 Gillespie, Col. G. L.
1882 Gallaher, S. C.
1882 Gilbert, William E.
1882 Gallup, Albert.
1882 Gardiner, J. Graham.
1882 Gade, Frederick W.
1882 Garretson, Frederick P.
1883 Greenough, John. (L. F.)
1883 Granniss, James E.
1883 Gottschalk, Felix.
1883 Goodridge, John C., Jr.

1856 Hewitt, Abram S.
1856 Hunt, Wilson G.
1859 Henderson, John C.
1859 Havemeyer, John C. (L. F.)
1864 Hammond, Henry B.
1868 Huntington, Daniel. (L. F.)
1868 Hurlbert, William H.
1868 Hoguet, Robert J.
1868 Hall, Elial F.
1868 Hadden, John A. (L. F.)
1868 Hallock, Mrs. Frances.
1870 Hawkes, Prof. W. Wright.
1870 Havens, Charles G.
1870 Harrison, Prof. Thomas F.
1871 Hamilton, Alexander, Jr.
1871 Hand, Clifford A.
1872 Hammersley, John W. (L. F.)
1872 Hawkins, Dexter A.
1872 Holbrook, Levi.
1873 Havemeyer, Theo. A.
1874 Hancock, Gen. Winfield S., U.S.A.
1874 Hay, John.
1874 Hitchcock, Rev. Roswell D., D.D.
1874 Havemeyer, Hector C.
1874 Hoguet, Henry L.
1874 Hoyt, Oliver.
1874 Hurlbert, Henry A. (L. F.)
1874 Hutton, Benjamin H.
1874 Haydock, George G.
1874 Haines, John P.
1874 Hinton, John H., M.D. (L. F.)
1874 Hendricks, M. M.
1874 Havemeyer, James.
1874 Holbrook, E. F.
1874 Hoe, Richard M.
1874 Harper, Nathan.
1874 Hunter, Charles F.
1874 Hendricks, Edmund.
1874 Hendricks, Joshua.
1874 Hatch, Rufus.
1874 Huntington, C. P. (L. F.)
1874 Hunter, Lieut. Edward, U.S.A.
1874 Hoyt, Harlow M.
1875 Hubbard, Prof. O. P.
1875 Hammond, Wm. A., M.D.
1875 Houston, Col. D. C., U.S.A.
1875 Hoadley, John C.
1875 Hughes, Wm. H. T.
1875 Hoppenstedt, G. L.
1875 Hanemann, John F.
1875 Howland, Meredith.
1875 Hyde, Henry B.
1875 Harper, P. J. A.
1875 Hazen, Gen. W. B., U.S.A.
1875 Harris, Siegmund.
1875 Hun, Leonard G.
1876 Heminway, Albert G.
1876 Holt, Henry.
1876 Halsted, Major Geo. B.
1876 Holman, Frank E.
1876 Hoes, Wm. M.
1876 Hatfield, J. B. T.
1877 Houghton, Prof. Walter R.
1878 Howe, George S.
1878 Hermann, Henry. (L. F.)
1878 Hinman, Wm. K.
1878 Holden, Horace.
1878 Hitchcock, Hiram.
1879 Hamilton, William G.

- 1879 Harris, Col. Robert.
 1879 Hayes, A. A., Jr.
 1879 Hamilton, Capt. F. B., U.S.A.
 1880 Hall, Hayden H.
 1880 Howard, William Lee.
 1880 Hickox, Charles R.
 1881 Hinman, Russell.
 1881 Henderson, Thomas, Jr.
 1881 Hunt, Rev. M. A., O.M.I.
 1881 Hoffman, Charles B.
 1881 Hamilton, Robert Ray.
 1881 Haven, George Griswold.
 1882 Holme, Leicester P.
 1882 Hascall, Theodore F.
 1882 Hamilton, Dr. J. B.
 1882 Higginson, James J.
 1882 Hawk, William S.
 1882 Hoag, Dr. W. E.
 1883 Houston, Theodore.
 1883 Hotchkiss, Horace L.
 1883 Henry, Charles J.
 1883 Hebert, Henry B.
 1883 Howell, George R.
 1883 Hyde, E. Francis.
 1883 Hurry, Edmund Abdy. (L. F.)
 1883 Hoyt, Alfred M. (L. F.)
 1883 Hoyt, Wm. B.
 1883 Hendricks, Arthur, T.

 1859 Ireland, John B.
 1874 Ives, Fred' E.
 1874 Iselin, Adrian, Jr.
 1879 Inman, William H.
 1879 Isham, Charles H.
 1881 Ives, Brayton. (L. F.)
 1882 Ijams, J. T.
 1882 Imbrie, H. T.
 1883 Ives, James M.

 1852 Jay, John. (L. F.)
 1852 Jones, John D. (L. F.)
 1868 Johnson, Hezron A.
 1871 Jones, Walter R. T.
 1874 Judson, Wm. D.
 1874 Janssen, Gerhard.

 1874 Jesup, M. K. (L. F.)
 1874 Jaffray, Edward S.
 1874 Jenkins, Wm. L.
 1874 James, D. Willis.
 1874 Jameson, Joseph A.
 1874 Jordan, Conrad N.
 1874 Jones, George.
 1874 Jaffray, Robert.
 1878 Jones, George H.
 1878 Judson, Capt. J. A., C.E.
 1879 Jay, William.
 1880 Jones, Frederick W.
 1880 Jewett, George L.
 1880 Jenkins, Silvanus F.
 1881 Jewett, Hugh J.
 1881 Johnson, Bradish, Jr.
 1882 Jasper, John.
 1882 Jenkins, Henry W.
 1883 Judson, A. N.
 1883 Jacobs, Abraham L.,
 1883 Jager, A. Bernard.

 1854 Kennedy, Robert Lenox.
 1869 Kelly, Eugene.
 1870 Kühne, Frederick.
 1872 Kendrick, Col. H. L., U.S.A.
 1873 Kennan, George.
 1874 King, Edward.
 1874 Kearney, Joseph R.
 1874 Kunhardt, Henry R.
 1874 Kingsland, Wm. M. (L. F.)
 1874 Kidder, Henry P. (L. F.)
 1874 Kalbfleisch, Charles H.
 1874 Keck, Thomas.
 1874 Knower, John.
 1874 King, David, Jr.
 1875 Knapp, Herman, M.D.
 1876 Knauth, Percival.
 1877 King, Clarence.
 1878 Kernochan, Jas. Lorillard.
 (L. F.)
 1879 Kane, S. Nicholson.
 1880 Kidder, A. S., M.D.
 1880 Keene, James R. (L. F.)
 1881 Kennedy, John S. (L. F.)

- 1881 Kane, Greenville. (L. F.)
1881 Kirsch, Louis.
1882 King, Le Roy.
1882 King, George Gordon.
1882 King, John S.
1882 King, Vincent C. (L. F.)
1883 Kneeland, Henry T.
1883 Klutschalk, Henry W.
1883 Knapp, S. P.
1883 Kohn, Julius A.
1883 Kerr, Walter.

1852 Livingston, Cambridge. (L. F.)
1857 Low, A. A.
1859 Lathers, Richard. (L. F.)
1868 Lawrence, Abraham R.
1869 Lawrence, John S. (L. F.)
1870 Loew, Frederick W.
1870 Lyman, Edward H. R.
1871 Letson, Robert S.
1871 Larremore, Richard L.
1871 Lee, Ambrose.
1872 Libby, William. (L. F.)
1874 Lauterbach, Edward.
1874 Livingston, Robert J. (L. F.)
1874 Langdon, Walter. (L. F.)
1874 Lorillard, Peter.
1874 Lorillard, George L.
1874 Livingston, John A.
1874 Livingston, Robert E.
1874 Littlejohn, James.
1874 Lawton, Walter E.
1874 Lawrence, Jos. B.
1874 Legget, Francis W.
1874 Le Comte, Joseph.
1874 Lewis, Walter H.
1874 Lawson, Leonidas M.
1874 Lane, George W.
1874 Lawrence, Samuel B.
1874 Lesher, Stephen R.
1875 Low, Seth.
1875 Lawrence, George N.
1876 Low, A. Augustus.
1876 Lindau, Leopold.
1877 Lockwood, Le Grand.

1877 Latrobe, John H. B.
1878 Loubat, J. F., LL.D. (L. F.)
1878 Leon, Nestor Ponce de.
1879 Levy, Augustus H.
1880 Lang, Alexander.
1880 Learned, Edward.
1880 Lee, William H.
1881 Libbey, William, Jr. (L. F.)
1881 Langdon, Woodbury G. (L. F.)
1881 Little, Joseph J.
1881 Livermore, Edwin R.
1881 Lee, J. Bowers.
1882 Lambert, Edward.
1882 Langdon, Woodbury.
1882 Lamont, Lansing.
1882 Ladd, William F.
1882 Le Roy, Herman R.
1882 Lapham, Lewis H.
1882 Lamborn, Robert H.
1883 Lowrie, J.
1883 Lummis, William.
1883 Lounsbury, R. P.

1852 Myers, Col. T. Bailey. (L. F.)
1853 Moore, George H. (L. F.)
1856 Monroe, Ebenezer.
1856 Manners, David S.
1859 MacMullen, John.
1859 Morrell, Wm. H. (L. F.)
1859 Moore, Frank. (L. F.)
1863 May, Lewis.
1863 Moore, W. H. H. (L. F.)
1864 Morton, Levi P.
1868 Morrison, Henry.
1868 Moreau, John B.
1868 Martin, Isaac P.
1868 Marquand, Henry G.
1868 Marsh, Luther R.
1868 McClure George.
1869 Moore, Henderson.
1870 Marbury, Francis F.
1870 Murray, D. Colden.
1870 Miles, Edward D.
1872 Meyer, F. William.
1872 Matthews, Edward. (L. F.)

- 1872 Marié, Peter. (L. F.)
 1873 Moore, C. B.
 1874 Morris, Henry L.
 1874 Mailler, W. H.
 1874 Marble, Manton.
 1874 Morrison, Edward.
 1874 Morgan, W. F.
 1874 Miller, Philip S.
 1874 Moir, James.
 1874 Morgan, J. Pierpont. (L. F.)
 1874 Myers, John K.
 1874 Martin, John M.
 1874 McAlpine, David H.
 1874 Merrill, William J.
 1874 Moulton, Clarence F.
 1874 Miller, Geo. Macculloch.
 1875 Mitchell, Edward.
 1875 Macy, Arthur.
 1875 Marcus, Arnold.
 1875 Meyer, Theo. F. H.
 1875 Mott, Henry A., Jr.
 1875 Monheimer, Joseph A.
 1875 Magoun, George C.
 1875 Maclay, Moses B.
 1875 Martin, Bradley.
 1875 Meyer, L. H.
 1875 McLanahan, Geo. William.
 1876 Mitchell, W. Howard.
 1876 Mattson, Morris, M.D.
 1877 Matsell, George W.
 1878 Morison, John C.
 1878 Merrick, William H.
 1878 Montant, Alphonse.
 1878 Musgrave, Thomas B. (L. F.)
 1878 Mason, Lieut. T. B. M., U.S.N. (L. F.)
 1879 Marshall, William I.
 1879 Mather, Frederick E.
 1879 Motz, Ferdinand.
 1879 Miller, John Bleecker.
 1879 Montieth, James.
 1880 Mills, D. O. (L. F.)
 1880 Mason, Thomas D.
 1880 Mackenzie, Lieut. M.R.L., U.S. Navy.
- 1880 Massey, Wm. M.
 1881 McGee, Flavel.
 1882 Marquand, John P.
 1882 Marsh, Caleb P.
 1882 Middleton, Austin D.
 1882 McWilliams, John.
 1882 Mury, Rev. Mylton.
 1882 McKnight, C. H.
 1882 Moore, W. T.
 1882 Mead, Erastus F.
 1882 Markoe, F. H., M.D.
 1882 Mills, Samuel M.
 1882 McElrath, Thomas.
 1882 Morgan, W. R., Jr.
 1883 Marvel, William.
 1883 Miller, H. K.
 1883 McKay, Donald. (L. F.)
 1883 McCreery, James. (L. F.)
 1883 Morgan, E. D.
 1883 Mali, Consul Charles.
 1870 Neilson, William H.
 1873 Neilson, Frederic.
 1874 Newell, John.
 1874 Niles, William W.
 1874 Newcombe, Isaac B.
 1875 Northrop, A. L.
 1880 Nelson, William, Jr.
 1882 North, Thomas M.
 1882 Nicholson, Granville.
 1882 Nesbet, John L.
 1882 Naylor, Joseph.
 1882 Nelson, Richard.
 1883 Noble Charles C.
 1874 Ottendorfer, Oswald. (L. F.)
 1874 Osgood, Franklin.
 1874 Olyphant, Robert M.
 1874 Oakley, E. Benedict.
 1874 Owen, Frederick N.
 1875 Otterbourg, Marcus.
 1875 Ottiwell, John D.
 1875 O'Connor, Thomas H.
 1875 Opdyke, William S. (L. F.)
 1876 Olmsted, Fred'k Law.

- 1876 Olmstead, Dwight H.
1877 O'Gorman, Richard.
1877 Ogden, Isaac C., Jr.
1878 Osgood, Prof. Howard.
1879 O'Gorman, Richard, Jr.
1879 O'Brien, Thomas S.
1880 O'Shaughnessy, John W. (L. F.)
1881 Oakley, Henry A.
1882 Oelrichs, Hermann.
1882 Osborn, W. H. (L. F.)
1882 Oppenheim, Ed. L.
1882 Osgood, William H.
1882 Olney, James B.
1882 Otis, Col. Charles G.
1883 O'Donohue, Jos. J.

1852 Prime, Frederick. (L. F.)
1852 Poor, Henry V. (L. F.)
1852 Pierrepont, Henry E. (L. F.)
1855 Pierrepont, Edwards.
1857 Pyne, Percy R.
1859 Purser, George H.
1859 Prime, Fred'k E. (L. F.)
1860 Phelps, Royal. (L. F.)
1862 Phillips, George W.
1868 Powers, William P.
1868 Paulison, John P.
1871 Potter, Howard.
1871 Peabody, Charles A.
1872 Parish, Henry.
1873 Plum, Elias.
1874 Parker, Willard, M.D.
1874 Peake, William I.
1874 Peabody, Arthur J.
1874 Penfold, William Hall.
1874 Phelps, I. N.
1874 Potter, Orlando B.
1874 Pondir, John.
1874 Paris, Sherman.
1874 Preble, John Q.
1874 Porter, John K.
1874 Packer, Elisha A.
1874 Powers, George J.
1874 Pellew, Henry E.
1874 Prichard, William M.

1875 Prentice, W. P.
1875 Pope, Gen John, U.S.A.
1875 Pfund, Anton.
1875 Peipers, Hugo.
1875 Porter, Gen. Horace.
1876 Parsons, Levi.
1876 Plum, James R.
1876 Palmer, Gen. W. J.
1878 Parsons, Edwin.
1880 Pinchot, James W.
1880 Powell, Wilson M.
1881 Post, Charles A.
1882 Parsons, Mrs. E. (L. F.)
1882 Parsons, Wm. Barclay.
1882 Pallen, Montrose A.
1882 Perkins, C. Lawrence.
1882 Parrish, James C.
1882 Pell, Wm. Cruger.
1882 Parsons, Joseph H.
1882 Percival, James H.
1882 Parsons, Samuel.
1882 Paton, John.
1882 Platt, Hon. Thos. C.
1882 Peck, Walter J.
1882 Parsons, John E.
1882 Parsons, Charles.
1882 Peck, Charles M.
1882 Phillips, Charles H.
1882 Payton, Rev. John R.
1882 Parsons, Mrs. E. (L. F.)
1882 Peterson, H. G.
1883 Parks, Robert H.
1883 Peddie, Thos. B.

1882 Quackenbos, Dr. Henry F.
1883 Quinlin, Leonard G.

1854 Rutherford, L. M.
1856 Randolph, Anson D. F.
1856 Remsen, William. (L. F.)
1856 Riker, John H.
1859 Rapallo, Charles A.
1859 Reckendorfer, Joseph. (L. F.)
1861 Rogers, C. B. (L. F.)
1868 Raven, Anton A.

- 1868 Rose, Cornelius.
 1872 Robbins, Chandler. (L. F.)
 1873 Reinhart, B. F. (L. F.)
 1874 Reid, Whitelaw.
 1874 Rives, Francis R.
 1874 Richard, Auguste.
 1874 Rogers, H. Livingston.
 1874 Riker, William J.
 1874 Requa, James M.
 1874 Reynes, Jaime.
 1874 Rhoades, John H.
 1874 Ramsey, Charles G.
 1874 Ransom, F. A.
 1874 Rhoades, Lyman.
 1875 Roosevelt, Clinton.
 1875 Rives, G. L.
 1875 Roberts, Nathan B.
 1875 Read, J. Meredith.
 1875 Rose, Charles.
 1875 Rosenfeld, Isaac.
 1876 Ross, William B.
 1877 Rose, Theodore.
 1877 Rice, A. Thorndike.
 1877 Roome, William P.
 1878 Roorback, Orville A.
 1878 Rainey, Thomes, M.D.
 1879 Redmond, James Morton.
 1879 Rhinelander, Miss J. (L. F.)
 1880 Robinson, Mrs. John A. (L. F.)
 1881 Randolph, J. C. F.
 1881 Robbins, George A.
 1881 Rhinelander, Frederick W.
 1882 Rhinehart, E.
 1882 Ray, James D.
 1882 Robbins, S. H.
 1882 Reed, Wm. G.
 1882 Rhinelander, T. J. O.
 1882 Raven, Richard M.
 1882 Redding, W. E.
 1882 Riddle, Wm. Q.
 1882 Raynor, Samuel.
 1882 Rath, Nicholas.
 1882 Rolston, Roswell G.
 1882 Reynolds, Charles B.
 1882 Rhinelander, Charles.
 1882 Rathborne, C. L.
 1883 Roberts, Sir Randal H.
 1883 Rosenbaum, Albert S.
 1883 Robbins, Daniel C.
 1883 Richardson, Briton.
 1883 Russell, Isaac F.
 1883 Rowland, Thomas F.
 1853 Smith, James O., M.D.
 1854 Sewell, Henry F.
 1856 Spofford, Paul N.
 1856 Schermerhorn, Wm. C.
 1856 Sherman, W. Watts.
 1859 Schell, Augustus. (L. F.)
 1859 Schultz, John H. (L. F.)
 1860 Stout, Francis A. (L. F.)
 1868 Seward, Clarence A.
 1868 Shea, George.
 1869 Savage, John. (L. F.)
 1869 Strebeigh, Robert M.
 1870 Schell, Richard. (L. F.)
 1870 Sherwood, John.
 1870 Schafer, Samuel M.
 1870 Schafer, Simon.
 1870 Seligman, James.
 1870 Seligman, Jesse.
 1871 Shaler, Gen. Alexander.
 1871 Swan, William H.
 1872 Stern, Myer.
 1872 Stengel, Prof. Frederick.
 1872 Steiger, E.
 1872 Stuyvesant, Rutherford. (L. F.)
 1873 Smith, James M.
 1873 Slevin, Thomas E.
 1873 Sturges, Frederick.
 1873 Spencer, James C.
 1873 Scott, Julian. (L. F.)
 1873 Southworth, Alvan S. (L. F.)
 1873 Sturgis, Frank K. (L. F.)
 1874 Sands, Harry M.
 1874 Steinway, William.
 1874 Storrs, Charles. (L. F.)
 1874 Sands, Philip J.
 1874 Smith, Samuel Drake
 1874 Sloan, Samuel.

- 1874 Schermerhorn, F. Augustus.
1874 Stuyvesant, Robert R.
1874 Scott, Col. Henry L.
1874 Scudder, Henry J.
1874 Stuart, Joseph.
1874 Strong, W. L. (L. F.)
1874 Steward, D. Jackson.
1874 Stevens, Alexander Henry.
1874 Sherman, Benjamin B.
1874 Shethar, Samuel.
1874 Sheafe, J. F.
1874 Schieffelin, Samuel B.
1874 Stiger, William E.
1874 Stillwell, Benjamin M.
1874 Sawyer, Warren.
1874 Sands, Andrew H.
1874 Schaus, William.
1874 Spinney, Joseph S.
1874 Salomon, Edward.
1874 Sewell, Robert.
1874 Striker, J. A.
1875 Stanford, William II.
1875 Smith, Lewis Bayard.
1875 Smith, Charles Stewart.
1875 Stewart, Col. Charles S., U.S.A.
1875 Sturges, Henry C.
1875 Schultz, Carl H.
1875 Sandford, Elliott. (L. F.)
1875 Stranahan, J. S. T.
1875 Schofield, Gen. John M., U.S.A.
1875 Schieffelin, H. Maunsell.
1875 Sibley, Gen. Henry H., U.S.A.
1875 Schiff, Jacob H.
1875 Strazburger, Oscar.
1875 Schlesinger, Alfred.
1875 Smith, Apollos.
1875 Smith, Augustine.
1876 Smith, Harsen H.
1876 Sibley, Hiram W.
1876 Spaulding, Henry F.
1876 Smith, Dwight, M.D.
1876 Stryker, Gen. William S.
1876 Stone, A. B.
1877 Schuyler, Philip.
1877 Shearman, William P.
1877 Sandford, Henry S.
1877 Sanger, Major Joseph P., U.S.A.
1877 Schaff, Rev. Philip, D.D.
1878 Scott, James.
1878 Stewart, William Rhinelander.
1878 Sanford, A. Wright.
1878 Sands, William R.
1878 Smith, S. Newton.
1878 Sabla, Theodore de Joly de.
1879 Saitus, Edgar Evertson.
1879 Simion, Leonhard.
1879 Smith, Herbert H.
1879 Stone, R. C.
1879 Speir, Francis, Jr.
1879 Stevens, Frederick W. (L. F.)
1879 Smith, E. Reul. (L. F.)
1879 Shields, Prof. Charles W.
1879 Stetson, Francis Lynde.
1879 Squires, Grant.
1880 Southwick, Henry K.
1880 Starr, Theodore B.
1880 Suydam, John R., Jr.,
1880 Smythe, Henry.
1880 Stark, L. J. N.
1880 Stokes, George H.
1880 Savery, Bartlett M.
1880 Shepherd, Sheringham A.
1881 Stone, Joseph F.
1882 Sass, Dr. Louis F.
1882 Schuyler, Spencer D. (L. F.)
1882 Schuyler, Peter C.
1882 Samson, Felix.
1882 Sayre, Lewis A., M.D. (L. F.)
1882 Speir, Archibald W.
1882 Scott, George S.
1882 Skidmore, Wm. L.
1882 Sibley, Simeon W.
1882 St. John, Wm. P.
1882 Sheffield, Dr. Lucius T.
1882 Scribner, Charles.
1883 Schermerhorn, Charles A.
1883 Strout, A. P.
1883 Simpson, George E.
1883 Stone, Sumner R.
1883 Sinclair, John. (L. F.)

- 1883 Salter, Thos. P.
 1883 Spence, Lewis H.
 1883 Smith, William Alex.
 1883 Smith, Henry N.
 1883 Stern, Louis.
 1883 Schwenniger, Rev. Anton B.
 1883 Stent, Thos.
 1883 Sanger, Wm. Cary.
 1883 Steers, James R., Jr.
 1883 Scott, Rufus L.
 1883 Sorgano, Julio F.
 1883 Stout, Joseph S.
 1883 Spice, Elihu, Jr.

 1856 Tiffany, Charles L.
 1856 Townsend, Randolph W.
 1859 Tracy, Charles.
 1868 Taylor, Douglas.
 1868 Tilden, Samuel J.
 1870 Tuckerman, Lucius.
 1870 Thomson, James.
 1872 Tower, Gen. Z. B., U.S.A.
 1874 Thompson, David G. (L. F.)
 1874 Tiemann, Peter C.
 1874 Tefft, Erastus T.
 1874 Thorne, Jonathan.
 1874 Trevor, John B.
 1874 Taylor, Alfred J.
 1874 Thorne, William H.
 1874 Turner, Herbert B.
 1874 Terry, Comdr. Edward, U.S.N.
 1875 Taintor, Charles M.
 1875 Terry, Gen. Alfred H., U.S.A.
 1875 Toel, William.
 1875 Terbell, Henry S.
 1876 Tappan, J. Nelson.
 1876 Totten, Lieut. George Mansfield,
 U.S.N.
 1876 Terry, Rev. Roderick.
 1877 Tillinghast, William H.
 1877 Talcott, James. (L. F.)
 1878 Tucker, Rev. William J., D.D.
 1878 Taylor, Rev. Wm. M., D.D.
 1879 Thompson, J. P.
 1879 Turnbull, Robert J.

 1880 Tailer, William H.
 1881 Thompson, R. H.
 1881 Travers, J. P.
 1881 Taylor, A. D.
 1882 Thurber, H. K.
 1882 Taber, Henry M. (L. F.)
 1882 Thomson, Eugene.
 1882 Tailer, Edward N. (L. F.)
 1882 Terry, John T.
 1882 Taintor, Giles E.
 1883 Twombly, Hamilton McK.
 1883 Tutt, W. H., M.D.
 1883 Trumbull, Rev. H. Clay, D.D.
 1883 Thomas, J. H.
 1883 Tapscote, Frank L.
 1883 Trask, Spencer.
 1883 Thalmann, Ernest.
 1883 Taylor, Wm. B.

 1854 Viele, Gen. Egbert L.
 1868 Van Santvoord, C.
 1869 Vanderpoel, Aaron J.
 1870 Van Brunt, Charles H.
 1874 Voorhis, William.
 1874 Vanderbilt, William H.
 1874 Vincent, Frank, Jr.
 1874 Van Rensselaer, K.
 1875 Vance, Samuel B. H.
 1875 Van Buren, John D., Jr.
 1875 Valentine, Lawson.
 1875 Von Post, H. C. (L. F.)
 1875 Vanderpoel, A. Ernest.
 1875 Verhoven, Henry F.
 1876 Van Hoesen, George, M.
 1876 Van Brunt, Cornelius.
 1877 Vanderbilt, Cornelius.
 1877 Voorhees, Charles H.
 1878 Vanderbilt, William K. (L. F.)
 1879 Voorhis, John R.
 1880 Von Hesse, Christer.
 1880 Van Alen, James H.
 1880 Van Tassell, Frank L.
 1881 Vantine, A. A.
 1882 Vail, M. M.
 1882 Vincent, Rev. Marvin R.

- 1883 Valentine, Daniel K.
1854 Webb, William H.
1854 Wetmore, Samuel. (L. F.)
1854 Withaus, G. H. (L. F.)
1859 Ward, George Cabot. (L. F.)
1860 Winston, Frederick S.
1866 Wendell, Jacob.
1868 White, Alexander M.
1869 Weber, Leonard, M.D.
1870 Webster, Sidney.
1870 Wilson, Gen. Jas. Grant. (L. F.)
1870 Wright, E. Kellogg.
1870 Weston, Theodore C. E.
1870 Ward, T. W.
1872 Wetmore, Wm. Boerum. (L. F.)
1872 Williams, Stephen C. (L. F.)
1872 Wells, Jacob.
1873 Weiner, Joseph, M.D. (L. F.)
1874 Weyman, Charles S.
1874 Waite, Chief-Judge M. R.
1874 Wheeler, Everitt P.
1874 Wadsworth, Julius.
1874 Wetmore, George P. (L. F.)
1874 Wyckoff, Jacob F.
1874 Wilder, Marshall P.
1874 Walraven, Ira E.
1874 Wooster, George H.
1875 Work, J. Henry.
1875 Wheeler, John V.
1875 White, Charles Trumbull.
1875 Wilcox, Franklin A.
1875 Wilkes, George.
1875 White, David C. E.
1875 Winslow, Gen. Edward F.
1875 Whitehead, Comdr. Wm., U.S.N.
1875 White, Loomis L.
1875 Wissman, J. F.
1876 Wedemeyer, A. J. D.
1876 Wrigley, Henry E., C. E.
- 1877 Ward, W. S.
1877 Waters, James T.
1877 Woodruff, Col. D., U.S.A.
1878 Whitehead, Henry M.
1878 Witherbee, S. H.
1878 Wood, Isaac F.
1878 Watson, William.
1878 Whittemore, Charles.
1878 Whittemore, Thomas W.
1879 Williams, Richard P.
1879 Watson, Francis A. (L. F.)
1879 Woodbury, Charles H.
1879 Wirths, Maurice.
1879 Wolfe, Miss Catherine. (L. F.)
1880 Ward, Samuel. (L. F.)
1880 Williams, R., Jr.
1881 Wilson, James.
1881 Wilson, John.
1881 Whitehouse, Frederic C.
1882 Welch, Uriah.
1882 Watson, Frederick.
1882 Wadsworth, John H.
1882 Wheeler, Ezra.
1882 Willis, Benjamin A. (L. F.)
1882 Waddingham, Wilson.
1882 Williams, Francis W.
1882 Williams, John L.
1882 Willard, Daniel W.
1882 Williams, David. (L. F.)
1882 Winthrop, Robert. (L. F.)
1883 Whyland, Albert E.
1883 Weeks, Wm. R.
1883 Wilson, Richard T.

1871 Youngs, Henry I.
1874 Young, Mason.
1879 Yates, Ellis Samuel.
1880 Young, William.
1875 Zollikoffer, Oscar.

FELLOWS DECEASED, 1883.

Alsop, William.	Eldridge, Titus B.
Astoin, Felix.	Fatman, Lewis.
Berry, Richard.	Holton, David P., M.D.
Burgess, Wm. J.	Hamersley, A. Gordon.
Banks, James L., M.D.	Hamersley, Louis C.
Cooper, Peter.	Kane, Gen. Thos. L.
Cooley, James E.	Morgan, E. D.
Coates, Isaac T., M.D.	Simpkins, N. S., Jr.
Clymer, Edward M.	Smull, W. P.
Dodge, William E.	Willets, Samuel.
Delafield, Lewis L.	Warner, Lewis T., M.D.
Davis, Gilbert F.	

CORRESPONDING MEMBERS DECEASED, 1883.

Commodore F. H. Baker, U. S. N. William Chambers, LL.D., Edinburgh.
Olaneta, Col. José R. de.

List of Foreign and Domestic Geographical and other Scientific Bodies with which this Society is in Communication and Constant Exchange of Publications.

- Academia Real das Sciencias, Lisbon, Portugal.
 - Academy of Natural Sciences, Philadelphia, Pa.
 - Academy of Natural Sciences, Davenport, Iowa.
 - Academy of Sciences, St. Louis, Mo.
 - Academy of Natural Sciences, Minneapolis, Minn.
 - American Antiquarian Society, Worcester, Mass.
 - American Naturalist, Salem, Mass.
 - American Social Science Association, Detroit, Mich.
 - Astor Library, New York.
 - Biblioteca Nacional, Rio de Janeiro, Brazil.
 - Boston Society of Natural Sciences, Mass.
 - Bureau of Education, Washington, D. C.
 - Caucasian Section, Imperial Russian Geographical Society, Tiflis, Russia.
 - Central Bureau of Statistics, Stockholm, Sweden.
 - Charleston Library Society, Charleston, S. C.
 - Circolo Geografico Italiano, Turin, Italy.
 - Comissão Central Permanente de Geographia, Lisbon, Portugal.
 - Cornwall Library, Cornwall-on-the Hudson, N. Y.
 - Cosmos ; Guido Cora, Turin, Italy.

- Essex Institute, Salem, Mass.
Etablissement Géographique de Bruxelles, Belgium.
Ferdinandeum in Innspurck, Austria.
Geographical Society of the Pacific, San Francisco, Cal.
Geographical Society, Lyons, France.
Geographical Society, Hamburg, Germany.
Geographical Society, Amsterdam, Holland.
Geographical Society, Marseilles, France.
Geographical Society, Munich, Germany.
Geographical Society, Dresden, Germany.
Geographical Society, Hermannstadt, Hungary.
Geographical Society, Hanover, Germany.
Geographical Society, Copenhagen, Denmark.
Geographical Society, Bremen, Germany.
Geographical Society, Madrid, Spain.
Geographical Society, Weimar, Germany.
Geographical Society, Bombay, India.
Geographical Society, Quebec, Canada.
Geographical Society, Metz, Germany.
Geographische Anstalt, Gotha, Germany.
Geological Society, Edinburgh, Scotland.
Geological Survey, Ottawa, Canada.
Gesellschaft für Erdkunde zu Berlin, Prussia.
Gewerbeschule, Bistritz, Hungary.
Historical Society, Iowa City, Iowa.
Historical Society, Madison, Wis.
Hungarian Academy of Sciences, Pesth, Hungary.
Hydrographic Office, The Admiralty, London.
Imperial Russian Geographical Society, St. Petersburg.
Imperial Royal Academy of Sciences, Vienna.
Imperial Royal Geographical Society, Vienna.
Instituto Historico-Geográfico del Rio de la Plata, Buenos Aires.
Instituto Geográfico Argentino, Buenos Aires.
Instituto Historico, Geographico, e Ethnographico do Brazil, Rio de Janeiro.
Institut Géographique International, Berne, Switzerland.
Kais. Königl. Geologische Reichsanstalt, Vienna.
Königl. Gesellschaft der Wissenschaften, Göttingen, Germany.
Königl.-Sächs. Gesellschaft der Wissenschaften, Leipzig, Germany.
L'Exploration, Paris.
Library of Congress, Washington, D. C.
Library Department of State, Washington, D. C.
Literary and Philosophical Society, Liverpool.
Literary and Philosophical Society, Manchester, England.
Literary and Historical Society of Quebec, Canada.
Long Island Historical Society, Brooklyn, N. Y.

- Melbourne Observatory, Melbourne, Australia.
Ministère de l'Agriculture, de l'Industrie, et du Commerce, Rome, Italy.
Museo Nacional de México, México.
Mexican Geographical and Statistical Society, Mexico.
Natural History and Philosophical Society, Belfast, Ireland.
Nature, London.
Naturforschende Gesellschaft, Emden, Germany.
Naval Institute, Annapolis, Md.
N. Y. State Museum of Natural History, Albany.
N. Y. State Library, Albany.
North-China Branch of the Royal Asiatic Society, Shanghai.
Philosophical Society, Wellington, New Zealand.
Polymathic Society, Vannes, France.
New York Academy of Sciences, New York.
New York Historical Society, New York.
Pulkowa Observatory, Pulkowa, Russia.
Real Academia Española Arqueológica y Geográfica, Madrid, Spain.
Revue de Géographie, Paris.
Revue Géographique, 37 Rue Scheffer, Paris.
Roumanian Geographical Society, Bucharest.
Royal Geological Society, Dublin, Ireland.
Royal Society of Victoria, Melbourne, Australia.
Royal Danish Academy of Sciences, Copenhagen, Denmark.
Royal Geographical Society, London.
Royal Academy of Sciences, Munich, Germany.
Royal Society of Sciences, Upsala, Sweden.
Royal Prussian Statistical Bureau, Berlin.
Royal University, Christiania, Norway.
Royal Society, London.
Royal Cornwall Polytechnic Society, Cornwall, England.
Royal Academy of Sciences, Brussels, Belgium.
Royal Institute for Philology, Geography, and Ethnography of Dutch
India, The Hague, Holland.
Royal Dutch Meteorological Institute, Utrecht, Holland.
Royal Hungarian University, Pesth, Hungary.
Royal Asiatic Society, London.
Section of the Imperial Russian Geographical Society, Orenburg.
Smithsonian Institution, Washington, D. C.
Sociedade de Geographia, Lisbon, Portugal.
Società Geografica Italiana, Rome.
Société de Géographie, Geneva, Switzerland.
Société de Géographie, Lille, France.
Société de Géographie, Toulouse, France.
Société de Géographie, Rochefort, France.
Société Belge de Géographie, Antwerp, Belgium.

- Société de Géographie, Paris.
Société Khédiviale de Géographie, Cairo, Egypt.
Société Belge de Géographie, Brussels, Belgium.
Société des Sciences Naturelles, Cherbourg, France.
Société de Géographie Commerciale, Bordeaux, France.
Société Normande de Géographie, Rouen, France.
Société de Géographie de Montpellier, France.
Société Suisse de Topographie, Geneva, Switzerland.
Society of Natural Sciences, Buffalo, N. Y.
State Library, Boston.
Statistical Society, London.
Statistisches Amt des Deutschen Reichs, Berlin.
The Academy, London.
The Asiatic Society, Yokohama, Japan.
The Japan Gazette, Yokohama, Japan.
U. S. Military Academy, West Point, N. Y.
Poughkeepsie Society of Natural Science, Poughkeepsie, N. Y.
Tokio Geographical Society, Tokio, Japan.
U. S. Geological Survey, Washington, D. C.
United States Coast Survey, Washington, D. C.
Verein für Erdkunde, Darmstadt.
Verein für Geographie und Naturwissenschaften, Kiel, Germany.
Verein von Freunden der Erdkunde, Leipzig, Germany.
Victoria Institute, or Philosophical Society of Great Britain, London.
Zeitschrift für Geographie, Lahr, Baden, Germany.

ADDITIONS TO LIBRARY AND MAP-ROOM, 1883.

PURCHASES.

Atlantis, the Antediluvian World, by Ignatius Donnelly, New York, 1882; Hand-Book to Arizona, by R. J. Hinton, San Francisco, 1878; A Narrative of the Shipwreck, Captivity, and sufferings of H. Holden and B. H. Nute in the year 1832, by Horace Holden, Boston, 1836; A Picture of New York in 1846, New York, 1846; Ashanti and the Gold Coast, by Vice-Admiral Sir John Dalrymple, London, 1874; Report of the Commission of Inquiry to Santo Domingo, Washington, 1871; Report upon Samoa, or the Navigator's Islands, by A. B. Steinberger, Washington, 1874; Memoir on the Low-Lands Estate Island of St. Martin, by Pascal A. Quinan, Baltimore, 1876; Report of José and Francisco Keller, Explorers of the River Madeira, Translated by Geo. Earle Church, London,

P A R T I.

TRANSACTIONS
OF THE
SOCIETY FOR THE YEAR 1883.

P A R T I I.

PAPERS READ
BEFORE
THE SOCIETY DURING 1883.

Note.—THE AUTHORS ALONE ARE RESPONSIBLE FOR THE CONTENTS OF
THEIR RESPECTIVE PAPERS.